

## ARTMENT OF COMMERCE UNITED STATES Patent and Trademark Office

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.	
09/425,630	10/22/99	HAMADA		S	400388/TSINT	/I ·
Γ			$\neg$	EXAMINER		
JEFFREY A WYAND			DICKENS,C			
LEYDIG VOIT & MAYER LTD				ART UNIT	PAPER NUMBER	
700 THIRTEENTH STREET N W SUITE 300 WASHINGTON DC 20005-3960			2855			
				DATE MAILED	: 09/24/01	

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks** 

The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—	او	Application N	Applicant(s)	licant(s) HAMADA etal.							
Peri d for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE	Office Action Summary	Examiner		Group Art Unit							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE	-The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—										
OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filled after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thinky (30) days, a reply within the saturory minimum of thinky (30) days will be considered timely.  If NO period for reply is specified above is such period shalt, by default, expire SIX (6) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Status    No period for reply is application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 1 1; 453 O.G. 213.  Disp sition of Claims   Claim(s)	Peri d for Reply	-7-									
from the mailing date of this communication.  If the period to reply specified above, such period shall, by default, expire SN (§) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, such period shall, by default, expire SN (§) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (3S U.S.C. § 133).  Status    Responsive to communication(s) filed on		EXPIRE	MONTH(S)	FROM THE MAIL	ING DATE						
Responsive to communication(s) filed on	from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.										
This action is FINAL.  □ This action is FINAL. □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 1 1; 453 O.G. 213.  Disp sition of Claims □ Claim(s) □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Status	-99									
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Disp sition of Claims    Claim(s)											
See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   Other   Othe				the merits is clos	sed in						
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Claim(s)   Is/are allowed.   is/are rejected.   is/are rejected.   is/are rejected.   is/are rejected.   is/are objected to.   Claim(s)   are subject to restriction or election requirement.   are subject to restriction or election requirement.   are subject to restriction or election requirement.   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   Waltach new   Application Papers   See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.   Waltach new   Application not be provided in the specification is objected to by the Examiner.   The drawing(s) filed on   Lo   22   49   is/are objected to by the Examiner.   The specification is objected to by the Examiner.   The oath or declaration is objected to by the Examine	Claim(s)	is/are p	$\_$ is/are pending in the application.								
Claim(s)	Of the above claim(s)		is/are w	_ is/are withdrawn from consideration.							
Claim(s)	□ Claim(s)	is/are a	_ is/are allowed.								
Claim(s)	Claim(s) 1-16	is/are re	_ is/are rejected.								
Claim(s)	☐ Claim(s)		is/are o	bjected to.							
Application Papers  See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948. Waltach mont  The proposed drawing correction, filed on 1-28-00 is papproved disapproved.  The drawing(s) filed on 16/22/91 is/are objected to by the Examiner.  The oath or declaration is objected to by the Examiner.  Pri rity under 35 U.S.C. § 119 (a)-(d)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 11 9(a)-(d).  All Some* None of the CERTIFIED copies of the priority documents have been received in Application No. (Series Code/Serial Number) received in Application No. (Series Code/Serial Number)  Treceived in this national stage application from the International Bureau (PCT Rule 1 7.2(a)).  *Certified copies not received:  Attachment(s)  All formation Disclosure Statement(s), PTO-1449, Pap r No(s). 2/7 Interview Summary, PTO-413  Notice of Reference(s) Cited, PTO-892 Notice of Informal Patent Application, PTO-152  Notice of Draftsperson's Patent Drawing Review, PTO-948			are sub								
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U. S. Patent and Trademark Offic PTO-326 (Rev. 9-97)

Part of Paper No.

Application/Control Number: 09/425,630

Art Unit: 2855

- Receipt is acknowledged of papers submitted under 35
   U.S.C. 119(a)-(d), which papers have been placed of record in the file.
- 2. Figures 36-45 should be designated by a legend such as -- Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g).
- 3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by The Admitted Prior Art (APA).

The APA teaches flow rate measuring device (Figs. 39-45) comprising: a post located in a fluid passage and extending across a part of the fluid flow; a measuring duct (130, 131, 102, 129, 140, 171) extends substantially linearly in a direction from an upstream side of the fluid passage toward a downstream side of the fluid passage, in the post; and a flow rate detector (31, 121, 162b) located in the measuring duct wherein the measuring duct has a fluid introduction port (20, 170a) with an curved elongated shape and confronting a flow direction of the flow, the

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measuring duct having at least one portion located between the fluid introduction port and the flow rate detector substantially smoothly narrowing, i.e, inner wall surface narrowing, toward a downstream direction of the flow in a longitudinal direction of the elongated shape, and the measuring duct has a single hole in the at least one portion; wherein the introduction port has a length in the longitudinal direction and width in a transverse direction, transverse to the longitudinal direction, the longitudinal length being substantially at least twice the width.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Dickens whose telephone number is (703) 305-7047. Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist or the customer service representative whose telephone numbers are (703) 308-0956 or (703) 308-4800 respectively. The fax numbers are (703) 305-3431and (703) 305-3432.

September 17, 2001

Benjamin R. Fuller Supervisory Patent Examiner Tachnology Center 2800